CLAIMS

1. An imaging device, comprising:

an imaging element (2) driven in a thinning read-out mode for reading out signal charges from a subset of pixels, or in an all-pixels read-out mode for reading out signal charges from all pixels,

wherein if moving images are picked up by driving the imaging element (2) in the thinning read-out mode, a series of first image data that is obtained by reading out signal charges repeatedly from the subset of pixels and that constitutes the moving images is processed and recorded, and a portion of the first image data is processed and recorded as a still image when an instruction to pick up the still image is given while picking up the moving images, and

wherein if moving images are picked up by driving the imaging element (2) in the all-pixels read-out mode, a series of second image data that is obtained by reading out signal charges repeatedly from all of the pixels and that constitutes the moving images is processed and recorded after the number of pixels of the second image data is thinned, and a portion of the second image data is processed and recorded as a still image without thinning when an instruction to pick up the still image is given while picking up the moving images.

2. The imaging device according to claim 1, comprising:

a moving image processing portion (10) for processing the first image data without thinning when the imaging element (2) is driven in the thinning read-out mode, and for processing the second image data after the number of pixels of the second image data has been thinned when the imaging element (2) is driven in the all-pixels read-out mode, and

a still image processing portion (24) for receiving an input of the first or second image data for one frame that is to be recorded as a still image, and for processing the input first or second image data without thinning when an instruction to pick up the still image is given while picking up moving images,

wherein the processing of the image data by the still image processing portion (24) is performed in parallel with the processing of the image data by the moving image processing portion (10).

3. The imaging device according to claim 1 or 2,

wherein the number of pixels of the second image data is thinned to the same number of pixels of the first image data.

4. The imaging device according to any of claims 1 to 3,

wherein the imaging element is driven in progressive scan mode.